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| --- | --- | --- |
| **coppersulphate** | **Chemistry** | **شعار-القسم** |
| **Making salts** |
| Worksheet-5- |

|  |  |
| --- | --- |
| Name: Class: 8 /……........ | |
| Book pages: | |
|  | Date: 24-4-2012 |
| 8.14.1 | Core Standard number |
| **1**.Know some common salts.  **2**.Know what is salt.  **3**. Know the different reactions by which salts can be made. | Learning Objectives  Logo + text 2 |

**1- Introduction**

Lock at the pictures below:





Sodium chloride

Zinc sulphate

Copper sulphate



Sodium carbonate

Ammonium sulphate

Complete the following

The pictures above show some common *………………..****.***

*……………………*is any …………………………. that can be made from ………………..

**2- How to prepare a salt?**

**a- Reacting an acid with a metal**

**Example:**

Zinc + sulphuric acid ………………………… + …………………………

Iron + hydrochloric acid ……………………… + ………………………

**Generalization :** metal + acid ……………………… + ………………………

Complete the following:

magnesium + sulfuric acid  arrow ………………………………     +   ……………………….

magnesium + hydrochloric acid  arrow ………………………….+   ……………………………...

zinc + sulphuric acid  arrow   …………………………..   +   …………………………...

**b- Reacting an acid with a metal oxide and metal hydroxide**

**Example:**

Copper(II)oxide + sulphuric acid ………………………… + ………………….

Magnesium oxide + hydrochloric acid ………………………….+ ……………………..

**Generalization** : metal oxide + acid …………………….. + …………………..

**c- Reacting an acid with a carbonate**

**Example:**

Magnesium carbonate + hydrochloric acid ……………………….. + ……………… + …….

Hydrochloric acid + zinc carbonate ............................. + ……………………. + ……………….

**Generalization** : metal carbonate + acid …………………… + ………….. + ……………

**d- Neutralization of an alkali by an acid**

**Example:**

- nitric acid + sodium hydroxide …………………….. + ………………………..

**Generalization** : alkali + acid …………………….. + …………………………